

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A video encoding method with support for editing when scene changed, the distance between two reference pictures being defined as M in a GOP, the method comprising the steps of:

capturing pictures in a display order;

detecting the scene change for a picture PIC_n ; and

coding the pictures in a coding order when there is not a scene change occurred for the picture PIC_n , and coding the pictures by a special processing when there is a scene change occurred for the picture PIC_n ;

the special processing comprising:

executing a first and a third coding stages when the picture PIC_{n-1} is not a reference picture; and

executing a second and the third coding stages when the picture PIC_{n-1} is a reference picture;

wherein the first coding stage is to re-code the picture PIC_{n-1} as a P-picture type, the second coding stage is to code the ~~B-pictures~~ pictures of B-picture type preceding the picture PIC_{n-1} , and the third coding stage is to start a new GOP, to code a picture PIC_{n+M-1} as a I-picture type, and to code the pictures PIC_n to PIC_{n+M-2} as ~~B-pictures~~ B-picture type with only referencing to the picture PIC_{n+M-1} .

2. (Currently Amended) The video encoding method of claim 1, wherein the first coding stage finishes coding the pictures of B-picture type B-pictures if there are pictures of B-picture type B-pictures preceding a previous reference picture.

3. (Currently Amended) The video encoding method of claim 1, wherein the first coding stage codes the pictures of B-picture type B-pictures if there are pictures of B-picture type B-pictures preceding the picture PIC_{n-1} .